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DEPARTMENT OF THE NAVY

OPNAV INSTRUCTION 03400.1B

DEPARTMENT OF THE AIR FORCE

AFL 136-1

MARINE CORPS PUBLICATIONS

NAVMC 1104 REV

LOG # BDM / W. 0751-20-C

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PB97-152292

CAPABILITIES

OF

ATOMIC WEAPONS

*Sanitized version*



Prepared by

Armed Forces Special Weapons Project

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003400.1A, AFL 136-4/NAVMC 1104, 1 JUNE 1955, INCLUDING C 1, 1 APRIL 1956,  
C 2, 17 OCTOBER 1956, AND C 3, 19 SEPTEMBER 1957*

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# CAPABILITIES OF ATOMIC WEAPONS (U)



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United States Government Printing Office

Washington : 1957

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DEPARTMENT OF THE NAVY  
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C 2, TM 23-200  
OPNAVINST 03400.1B, CH-2  
AFM 136-1B  
NAVMC 1104 REV, CH-2

## CAPABILITIES OF ATOMIC WEAPONS

CHANGES  
No. 2

DEPARTMENTS OF THE ARMY, THE NAVY  
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WASHINGTON 25, D.C., 8 October 1960

TM 23-200/OPNAV Instruction 03400.1B/AFM 136-1/NAVMC 1104, REV, 29 November 1957, is changed as follows:

1. Make the following pen and ink changes in Changes No. 1:
  - a. *Page (I)*. Change item 11 to read: Remove pages I-29 and I-30 and substitute pages I-29 through I-32 Changes No. One.
  - b. *Page (IV)*. Change Navy distribution to read:

F9 (Station CNO)  
H23 (AV Med Ctr)
  - c. *Page v*. Change column 1, line 15 to read: 4-22a through 4-22d..... Change 1  
4-23 and 4-24..... Change 1  
Change column 1, line 16 to read: 4-25 through 4-88..... Original  
Change column 2, line 9 to read: I-9 through I-28..... Original
  - d. *Index*. Change page numbers 9 and 10 to read 11 and 12, respectively. Add C 1, 24 June 1960, in the upper inside corners of pages 1, 2, 5 through 8, and renumbered pages 11 and 12.
2. Destroy, according to proper security procedures, the page of the Index issued in Changes No. 1 as page 12. The reverse of page 12 is blank.
3. After necessary action, file the transmittal sheet in the front of the manual for reference.

C 2, 3 October 1960

[AG 461 (9 Aug 60)]

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MAAG (2)  
Mil Msn (2)

NG: State AG (3).

USAR: Div (2).

For explanation of abbreviations used, see AR 320-50.

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J29 (Res Trng Fac)	R1 (Hdq Dept of Pac)	W9A (Weapons Plant)
J30 (Tra Pubs Ctr)	R20 (Mar Cor Scol Quantico)	W9C (Propellent Plant)
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J60 (School Academy)	W1F (Mar Cor Aux Air Sta)	W12B (G M Serv Unit)
J65 (Scol CEC Off's)	W1G (Mar Cor Air Fac)	
J66 (Scol Constr)	W1H (Station BUAER)	Copy to:
J71 (Scol Expl Ord Disp)	W1J (Flt Air Serv Ron Spec)	A1 (Sec & Exec Assts)
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C 1, TM 23-200  
OPNAV Instruction 03400.1B, CH-1  
AFM 136-1A  
NAVMC 1104 REV, CH-1

Capabilities of Atomic Weapons (U)

CHANGES

No. 1

DEPARTMENTS OF THE ARMY, THE NAVY,  
AND THE AIR FORCE  
WASHINGTON 25, D.C., 24 June 1960

TM 23-200/OPNAV Instruction 03400.1B/AFM 136-1/NAVMC 1104 REV, 29 November 1957,  
is changed as follows:

1. Change the Air Force number to read:  
**AFM 136-1.**
2. Remove pages v and vi and substitute pages v and vi of Changes Number One.
3. Remove pages xv through xxii and substitute pages xv through xxii of Changes Number One.
4. Remove pages 2-15 through 2-18 and substitute pages 2-15 through 2-18 of Changes Number One.
5. Remove pages 4-1 through 4-8 and substitute pages 4-1 through 4-8 of Changes Number One.
6. Following page 4-16, add pages 4-16a through 4-16d of Changes Number One.
7. Remove pages 4-21 through 4-24 and substitute pages 4-21, 4-22, 4-22a through 4-22d, 4-23, and 4-24 of Changes Number One.
8. Remove pages 9-3 and 9-4 and substitute pages 9-3 and 9-4 of Changes Number One.
9. Remove pages 9-9 through 9-12 and substitute pages 9-9 through 9-12 of Changes Number One.
10. Remove pages I-7 and I-8 and substitute pages I-7 and I-8 of Changes Number One.
11. Remove pages I-29 through I-32 and substitute pages I-29 through I-32 of Changes Number One.
12. Remove pages II-3 and II-4 and substitute pages II-3 and II-4 of Changes Number One.
13. Remove pages 1, 2, 5 through 8, and 11 and substitute pages 1, 2, 5 through 8, 11 and 12 of Changes Number One.

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CMH (2)  
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USA Avn Bd (2)  
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US ARADCOM, Rgn (5)  
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NG: State AG (3).

USAR: Div (2).

For explanation of abbreviations used, see AR 320-50.

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OPNAV INSTRUCTION 03400.1B  
AFL 136-1  
NAVMC 1104 Rev

DEPARTMENTS OF THE ARMY,  
THE NAVY, AND  
THE AIR FORCE

WASHINGTON 25, D. C., 29 November 1957

TM 23-200/OPNAV INSTRUCTION 03400.1B/AFL 136-1/NAVMC 1104 Rev, Capabilities of Atomic Weapons (U), is published for the use of all concerned.

[AG 461 (7 Oct 57)]

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ASA	Div		

NG: State AG; units—same as Active Army.

USAR: Same as Active Army.

For explanation of abbreviations used, see AR 320-50.

*Air Force:*

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C 1, 24 June 1960

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## FOREWORD

The purpose of this manual is to provide the military Services with a compendium of the phenomena manifested by the detonation of nuclear weapons and the effects thereof in terms of damage to targets of military interest.

This edition of *Capabilities of Atomic Weapons* represents the continuing effort by the Armed Forces Special Weapons Project to make available the progressively improved data resulting from field testing, scaled tests, laboratory and theoretical analyses.

The manual is intended to serve as a basis for the preparation of operational manuals, not as an operational or employment manual of itself. Every effort has been made to include the best available data which will assist the using Services in meeting their particular operational requirements. As additional or better data becomes available it will be incorporated herein.

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